REFERENCES:

1. Atul Kumar Dewangan, Nibedita Chakraborty, Smriti Dewangan, (2012), "Delay and Optimization of Random Number Generator", *International Journal of Research Publications*, Volume **2**, Issue **3**.
2. Banks J., Carson II J. S. and B. L. Nelson B. L. (1995), "Discrete-Event System Simulation", Prentice Hall of India, New Delhi.
3. Barakat H. M., Nigam E. M. (2010), "On the rate of convergence to asymptotic independene between order statistics under power normalization with extension to the generalized order statistics", *Indian Journal of Pure and Applied Mathematics*, Vol. **41**, issue **6**,. pp **703-714**
4. Burte D. P., Vaidya S. G. (1986), "A Sector Symmetric Core concept for BWRs'", *Annals of Nuclear Energy*, Vol. **13**., No. **6**, pp **317-323**.
5. Burte D. P., (1990), "Additional Guideline for the Design of BWR Reload Patterns", *Annals of Nuclear Energy*, Vol. **17**., No. **5**, pp **239-243**.
6. Chol K. Y., Yoon Y. K., (1993), "A Proposed Heuristic Methodology for Searching Reload Pattern", *Journal of Korean Nuclear Society*, Vol. **25**, Number **2**.
7. Francois J. L., Lopez H. A., (1999), "SOPRAG: a System for Water Reactors Reload Pattern Optimization using Genetic Algorithms", *Annals of Nuclear Energy*, Vol. **26**, Issue **12**, pp. **1053-1063**.
8. Francois J. L; Martn del Campo C., Cortes C. C.; Ramrez E., Arellano J., (1999). "Development of an automated system for fuel reload patterns design**57**", *Nuclear Engineering and Design*, Vol. **193**, Number **1**, pp. **13-21**(**9**).
9. Geoffrey Gardon (1991), "System Simulation", Printice Hall of India.
10. Ghorbel M. (2011), "Random partitioning models arising from size-based picking", *Indian Journal of Pure and Applied Mathematics*, Vol. **42**, issue **6**
11. Gillet B. E , "Introduction to Operation Research: a computer oriented algorithmic approach" (second edition), Tata McGraw Hill, NY.

12. Gregoire Allaire, Carlos Castro, (2002), “Optimization of Nuclear Fuel Reloading by the Homogenization Method”, *Structural and Multidisciplinary Optimization*, Vol. **24**, No.**1**, pp **11**-**22**.
13. Gupta P. K. and Hira D. S. (2006), “Operation Research”, S. Chand & Co. Ltd., New Delhi.
14. Haling R. K. (1963), “Operating Strategy for maintaining an optimal power distribution throughout life”, *ANS Topical meeting on Nuclear Performance of Power Reactor Cores*, TID **7672**.
15. Hillier F., and Lieberman G. J., “Introduction to Operation Research: a computer oriented algorithmic approach”,(eighth edition), Holden Day, NY.
16. Hyun Chul Lee, Hyung Ji Shim and hang Hyo Kim, (2001), “Parallel Computing Adaptive Simulated Annealing Scheme for Fuel Assembly Loading Pattern Optimization in PWRs”, *Nuclear Tehnology*, Vol. **135**.
17. Jay Kumar, Sudhanshu Shukla, Dhiraj Prakash, Pratyush Mishra, Sudhir Kumar, (2011), “Random Number Generator Using Various Techniques through VHDL”, *International Journal of Computer Applications in Engineering Sciences*, Vol. **1**, Issue **11**, pp **127**-**129**.
18. Juan Jose Ortiz, Ignacio Requea, (2004),”Usig ulti-state reurret eural network to optimize loadig patterns in BWRs”, *Annals of Nuclear Energy*, Vol. **31**, pp **789**-**803**.
19. Karahroudi M., Morsavi Shirazi S., Sepanloo K., (2013), “Optimization of Designing the Core Fuel Loading Pattern in a VVER-1000 Nuclear Power Reactor using the Genetic Algorithm”, *Annals of nuclear Energy*, Vol. **57**, pp. **142**-**150**.
20. Klerk E. D., Roos C., Terlaky T., Illes T., Jong A. J. de, Valko J., Hoogenboom J. E., (1997), “Optimization of Nuclear Reactor Reloading Patterns”, *Annals of Operations Research*, Vol. **69**, pp. **65**-**84**.
21. Kobayashi Yoko, Aiyoshi Eitaro, (2004), “Automatic Core Design Using Reinforcement Learning”, *American Control Conference Boston, Massachusetts*.
22. Krelmir Tron, Dubravko Pevec, and Tomislav Muc, (2008), “Machine Learning of the Reactor Core Loading Pattern Critical Parameters”, *Science and Technology of Nuclear Installations*, Vol. **2008**, Article ID **695153**.

23. Kropaczek David J., (2008), “Concept for Multi-cycle Nuclear Fuel Optimization Based on Parallel Simulated Annealing With Mixing of States”. International conference on the Physics of Reactors “Nuclear Power: A Suitable Resource”. *Casino-Kursaal Conference Center, Interlaken, Switzerland*.
24. Meng-Kuag Kuo (2010), “The bound for matrices with monotonic rows”, *Indian Journal of Pure and Applied Mathematics*, Vol. **41**, issue **6**, pp **737-744**.
25. Michel Orlor (2009), “Optimized Random Number generation I an interval”, *Information Processing Letters*, Vol.**109**, pp **722-725**
26. Mohamed Nageb Elsherbeny, Mahmud Rahal, (2012), “Pseudo-Random Number Generator Using Deterministic chaotic System”. *International Journal of Science & Technology Research*, Vol. **1**, Issue **9**.
27. Momhed El-Sayed Wahed, Wasan Z. Ibrahim, (2010), “Finding Optimal of the Egyptian Second Nuclear Reactor Core Patterns using Genetic Algorithm”, Nukleonika , Vol. **55**(**3**), pp **331-338**.
28. Narsingh Deo (1979), “System Simulation with Digital Computers”, Prentice Hall of India.
29. Paul J. Turinsky, Paul M. Keller and Hany S. Abdel-Khalik, (2005), “Evaluation of Nuclear Fuel Managemet and Reator Operational Aid Tools”, *Nuclear Engineering and Technology*, Vol. **37** No.**1**.
30. Quist A. J., Klerk E. D., Roos C., Terlaky T., Geemert R. V., Hoogenboom J. E., Illes T., (1998), “Finding Optimal Nuclear Reactor Reactor Core Reload Pattern Using Non linear Optimization and Search Heuristics”, *Engineering Optimization* , Vol. **32**(**2**), pp. **143-176**.
31. Rafiel Karahroudi, M. Mousavi Shirazi, A. Sepanloo K., (2013), “Optimizing the Design of Core Loading Pattern in a VVER-1000 Nuclear Power Reactor using the Genetic Algorithm”, *Annals of Nuclear Energy*, Vol **57**, pp **142-150.**
32. Rusch C. A., (2008), ”Nuclear Fuel Performance: Trends, Remedies and Challenges”, Journal of Nuclear Materials, **383**, pp **41-44**.

33. Saurabh Singh, Gaurav Agrawal, (2010), " Use of Chinese Remainder Theorem to generate Random Numbers for Cryptography", *International Journal of Applied Engineering Research, Dindigul*, Volune **1**, No **1**.
34. Sharma S. D.,"Operation Research", - S Chad and Company
35. Sokolowski J. A., Banks C. M., edited (2011) , "Principles of Modeling and Simulation: A multidisciplinary Approach", John Wiley & Sons Publications (2011), Tata McGraw Hill.
36. Taha H. A., "Operations Research- An Introduction", McMillian Publishing Company, NY.
37. Trevor D. Waley, Tamar D Ziegler (2012), "Multiple Recurrennce and Convergene along the primes", *American Journal of Mathematics*, Vol. **134**, No. **6**, pp **1705-1732**
38. Verhan F.C.M., Van der Schaar M., De Kruijf W.J.M., Van de Watering T.F.H., Jones R.D., ROSA, (1997), "A Utility Tool for Loading Pattern Optimization", *Advances in Nuclear Fuel Management II Conference,* Myetle Beach, South Carolina, March **23-26**.
39. Warwick de Launey (2000), "On the asymptotic existence of partial complec Hadamard matrices and related combinatorial aspects", *Discrete Applied Mathematics*, Vol. **102**, Issue **1-2**, pp **37-45**.
40. Yoko Kobayashi, Eitaro Aiyoshi, (2004), "Automatic Core Design Using Reinforcement Learning". *Proceeding of the 2004 American Control Conference Boston*, Massachusetts June 30-July 2.
41. Yotaka Nishiyama, (2012), "Opening the Black Box of Random Numbers", *International Journal of Pure and Applied Mathematics*, Vol. **81**, No. **6**, pp **831-839**.